Niplene T30

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	230 °C / 2,16 Kg	ASTM D1238	g/10min	9
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	28
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	45
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	3300
	Rockwell Hardness		ASTM D785	R-scale	106
	Izod Notched Impact Strength	23°C/3,2 mm	ASTM D256	J/m	30
	Elongation	50 mm/min	ASTM D638	%	30
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	106
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	86
	Glow Wire Temperature (G.W.T)	S=2.0 mm	IEC 695-2-12	°C	650
Flame Behaviour	UL 94 Rating	S=1.6 mm	UL 94	class	HB
	UL 94 Rating	S=3.2 mm	UL 94	class	HB
Electrical	Relative Permettivity	1 Mhz – dry	IEC 60250	-	2,7
	Dissipation Factor	1 Mhz – dry	IEC 60250	-	0
	Dielectric Strength	S=1 mm	IEC 60243-1	KV/mm	60
	Surface Resistivity	dry	IEC 60093	Ω	10^14
	Volume Resistivity	dry	IEC 60093	Ω cm	10^15
Various	Density		ASTM D792	g/cm³	1,12
	Moulding Shrinkage	parallel	-	%	0,5-1,0

All values are approximate values and are given after the best knowledge and conscience. Hence, because of variable processing

TEKUMA KUNSTSTOFF GMBH
Röntgenstraße 2 21465 Reinbek Germany Telefon +49 40 727 702 - 0 Fax +49 40 722 89 69 info@tekuma.de
Geschäftsführer Constantin Maul Registergericht Lübeck HRB 1387 RE Ust-IdNr. DE135102242 St.Nr. 30 292 15675
www.tekuma.de

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